

GT3W Series — Dual Time Range Timers



Key features of the GT3W series include:

- Sequential start and independent ON/OFF timing functions
- 2 time settings in one timer
- 4 selectable operation modes on each model
- Mountable in sockets or flush panel
- Power and output status indicating LEDs
- Time ranges up to 6 hours



Cert. No.
BL980113332391 (LVD)
E9971113332388 (EMC)



CSA Certified
File No. LR58183
LR96764
LR83814



UL Recognized
File No. E55996



Specifications	Operation	Recycle
	Time Range	T1: 0.1 seconds to 6 hours T2: 0.1 seconds to 6 hours
	Rated Voltage	100 to 240V AC(50/60Hz) 24V DC/AC(50/60Hz) 12V DC
	Contact Rating	240V AC/3A, 30V DC/5A (resistive load)
	Contact Form	DPDT
	Voltage Tolerance	A100: 85 to 132V AC A200: 170 to 264V AC AD24: 24.4 to 26.4V AC, 21.6 to 26.4V DC (ripple 10% maximum)
	Repeat Error	±0.2% maximum
	Voltage Error	±1% maximum
	Temperature Error	±2% maximum (over 0 to 40°C, reference temperature 20°C)
	Setting Error	±10% maximum
	Reset Time	0.1 second maximum (reset before time-up: 1 second or more)
	Insulation Resistance	100MΩ minimum
	Dielectric Strength	Between power and output terminals: 2,000V AC, 1 minute Between contacts of different poles: 2,000V AC, 1 minute Between contacts of the same pole: 750V AC, 1 minute
	Vibration Resistance	60m/sec ² (approximate 6G)
	Shock Resistance	Damage limits: 500m/sec ² (approximate 50G)
	Power Consumption (approximate)	100V AC: 3.5VA (60Hz) 200V AC: 7.0VA (60Hz) 24V DC: 0.6W
	Mechanical Life	20,000,000 operations minimum
	Electrical Life	100,000 operations minimum rated load
	Operating Temperature	-10 to +50°C
	Storage Temperature	-30 to +80°C
Operating Humidity	45 to 85% RH	
Weight (approximate)	65g	
Housing Color	Gray	

GT3W Table of Contents

- SpecificationsG-46
- Part Number ListG-47
- Timing Diagrams / SchematicsG-48
- Instructions: Setting TimerG-49
- GT3 AccessoriesG-50
- GT3 InstructionsG-52
- GT3 DimensionsG-54
- Timing Diagrams OverviewG-4

Part Numbering List

Mode of Operation	Contact	Output	Rated Voltage Code	Time Range		Complete Part No.	
				T ₁	T ₂	8-Pin	11-Pin
AA (sequential start) AB (ON-delay with course and fine) BA (recycler and instantaneous) BB (recycler)	DPDT	240V AC, 3A, 120V AC, 5A 30V DC, 5A	AF20: 100 to 240V AC (50/60Hz) AD24: 24V DC/AC (50/60Hz) D12: 12V DC	0.1s to 1 hour	0.1s to 1 hour	GT3W-A11AF20	GT3W-A11EAF20
					0.6s to 6 hours	GT3W-A11AD24	GT3W-A11EAD24
						GT3W-A11D12	GT3W-A11ED12
				0.6s to 6 hours	0.1s to 1 hour	GT3W-A16AF20	GT3W-A16EAF20
GT3W-A16AD24	GT3W-A16EAD24						
0.6s to 6 hours	GT3W-A16D12	GT3W-A16ED12					
	0.1s to 1 hour	GT3W-A61AF20	GT3W-A61EAF20				
		GT3W-A61AD24	GT3W-A61EAD24				
0.6s to 6 hours	GT3W-A61D12	GT3W-A61ED12					
	0.6s to 6 hours	GT3W-A66AF20	GT3W-A66EAF20				
		GT3W-A66AD24	GT3W-A66EAD24				
GT3W-A66D12	GT3W-A66ED12						



1. For schematics, see page G-48.
2. For socket and accessory part number information, see page G-50.
3. 8- and 11-pin models differ only in the number of pins (extra pins are not used).
4. For the timing diagram overview, see page G-4.

Time Range Settings

Code	Time Range	
	Scale (0 to 1.0)	Scale (0 to 6)
1S	0.1 to 1s	0.6 to 6s
10S	1 to 10s	6 to 60s
1M	0.05 to 1 minute	0.2 to 6 minute
10M	0.5 to 10 minute	2 to 60 minute
1H	0.05 to 1 hour	0.2 to 6 hours



5. For details on setting time ranges, see the instructions on page G-46.

